

## SUMMARY OF CONFIRMED INFECTIONS

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### Syphilis

Test	Total	Test	Total
RPR Reactive	2	Darkfield Reactive	0
VDRL Reactive	33	TP-PA Reactive	12

### New Cases of Syphilis

Stage	Number of Cases	
	October 2015	October 2014
Primary syphilis	0	0
Secondary syphilis	0	4
Early latent	0	4
Late latent	0	2
Total	0	10

Source: Wisconsin Division of Health

### Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased Susceptible (DS) / Resistant (R) Antibiotics			
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin
34	0	0	0	0

### Isolates Other Than *N. gonorrhoeae*

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Mycoplasma hominis</i>	Genital	3	<i>Ureaplasma urealyticum</i>	Genital	6

## Reference Cultures

Age	Sex	Source	Identification
44	F	Stool	<i>Salmonella</i> I 4,5,12:i:-
59	F	Stool	<i>Salmonella</i> Poona
65	F	Stool	<i>Shigella sonnei</i>

**DNA Sequencing:** The MHD laboratory uses 16S rRNA and the D2 region of the 26S rRNA genes for DNA sequence-based microbial identification of selective reference bacteria and fungus isolates.

Age	Sex	Source	Target gene	Final Identification
42	M	Sputum	16S	<i>Legionella pneumophila</i>
62	F	Stool	16S	<i>Campylobacter jejuni</i>
67	M	BAL fluid	16S	<i>Methylobacterium</i> species

## Virus Isolations from Clinical Specimens

Age	Sex	Source	Symptoms	Agent
26	M	Not provided	ILI	Human Rhinovirus
21	F	Throat	ILI	Human Rhinovirus
22	F	NP/Throat	ILI	Influenza B

ILI = Influenza-like Illness

## Herpes Simplex Virus Isolations

Agent	Number of Isolates
Herpes simplex Type 1	3
Herpes simplex Type 2	3

## Molecular Amplification and PCR

Agent	Method	Tested	Positive	% Positive
Norovirus	Real time RT-PCR	8	1	12.5
Influenza virus	Real time RT-PCR	5	1	20.0
Herpes virus	Real time PCR	7	2	28.5

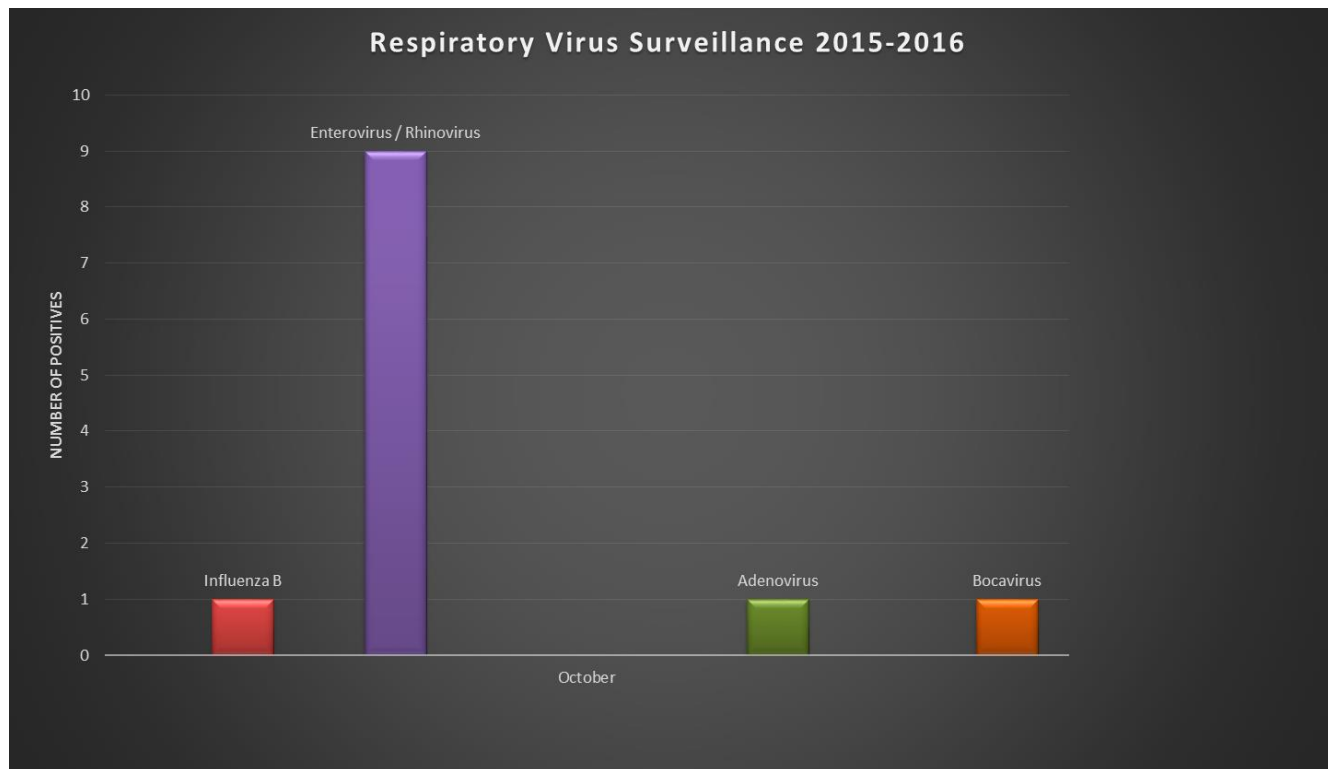
## Chlamydia (CT) and Gonorrhea (GC) Molecular Testing

Source	Tested	CT Positive	GC Positive
Urine	655	76	56
Throat or NP swabs	464	11	33
Rectal swabs	160	12	11

### Respiratory Virus Surveillance:

Respiratory Virus Panel Test Results		
Virus	Positives	Percent (%)
Enterovirus / Rhinovirus	9	45
Adenovirus	1	5
Bocavirus	1	5

Samples tested: n = 20 (October, 2015 – *Not including Influenza data*)



*Note: The MHDL provides comprehensive detection of multiple respiratory viruses and their subtypes: Influenza A, Influenza B, Respiratory Syncytial Virus (RSV), Human Metapneumovirus (hMPV), Enterovirus/ Rhinovirus (ENT/HRV), Adenovirus, Parainfluenza (HPIV 1-4), Coronavirus and Boca viruses.*